

VIDEO STREAM REPRESENTATION AND NAVIGATION USING INHERENT DATA

Abstract of the Disclosure

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An MPEG compressed bit stream representing video information is associated with supplemental information such as motion, audio, scene cut, and editorial information. The motion information is identified and processed to determine characteristics of the video information. Motion information is processed to determine magnitude, coherence, and correlation with known motion information templates. MPEG motion vectors are used to determine motion information. Audio, scene cut, and editorial information is similarly identified and processed. The motion information along with other types of information is provided to a client by using color bars or other techniques to allow a client to interact with the video information using supplemental information.

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